

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) Device for processing an echo between at least two communication devices coupled to each other ~~connected by a telecommunication communication network in order to attenuate, in a signal (Ye) picked up by a communication device comprising having at least one microphone (50), the components of a signal broadcasted by at least one loudspeaker (40) on at least one other communication device, characterised in that the echo processing device comprises:~~

the echo processing device comprising:

~~—means (210) a receiver for receiving, by means of a connection via coupling with at least one other device, information representing at least one signal broadcasted broadcast by at least one loudspeaker (40) on another communication device (40),~~

~~—means (200) a signal processing arrangement for modifying the signal picked up by the communication device from information representing the broadcasted signal, signal and for weighting the broadcasted signal being weighted by a coefficient representing the coupling separating between a loudspeaker of the said at least one other communication device from the microphone of the communication device.~~

2. (Currently amended) Echo processing device according to claim 1, ~~characterised in that~~ wherein the communication device includes the echo processing device. ~~device is included in the communication device.~~

3. (Currently amended) Echo processing device according to claim 2, ~~characterised in that it also comprises means (301) further including a controller~~ for controlling echo between at least one of the loudspeakers (40) and at least one microphone (50) of the communication device.

4. (Currently amended) Echo processing device according to ~~any one of claims 1 to 3, characterised in that claim 1 wherein~~ the information received representing at least one broadcasted signal from at least one other communication device was previously weighted by a coefficient representing the coupling ~~separating between~~ a loudspeaker of the said at least one other communication device ~~from and~~ the microphone of the communication device.

5. (Currently amended) Echo processing device according to claim 4, ~~characterised in that the means wherein the signal processing arrangement~~ for modifying the signal picked up (301) ~~signal is arranged to~~ modify the picked up signal ~~picked up~~ according to the weighted broadcasted signal of at least one other communication device in the reference echo control signal of the communication device.

6. (Currently amended) Device for processing an echo between at least two communication devices ~~connected-coupled to each other~~ by a telecommunication network ~~in order~~ to attenuate, in a signal picked up by another communication device ~~comprising-having~~ at least one microphone, the components of a signal broadcasted by at least one communication device ~~comprising-including~~ at least one loudspeaker of at least one communication device, ~~characterised in that the echo processing device comprises:~~

the echo processing device comprising:

~~—a means—a receiver~~ for obtaining information representing the signal broadcasted by the communication device (200),

~~—a means (210)—a signal processing arrangement~~ for transferring the information ~~obtained, by means of a connection~~ obtained via coupling with at least the other communication device.

7. (Currently amended) Echo processing device according to claim 6, ~~characterised in that~~ wherein the echo processing device also comprises ~~circuitry means (205, 206, 201, 202)~~ for obtaining information representing the coupling ~~separating between~~ at least one loudspeaker of the said at least one communication device ~~from and~~ the microphone of the other communication device.

8. (Currently amended) Echo processing device according to claim 7, ~~characterised in that the~~ ~~echo processing device also comprises means wherein the signal processing arrangement is~~ arranged for weighting the information representing the broadcasted signal of the communication device by the coefficients associated with the information representing the couplings ~~separating between~~ at least one loudspeaker of the said at least one communication device ~~from and~~ the microphone of the other communication device.

9. (Currently amended) Echo processing device according to claim 8, ~~characterised in that~~ wherein the communication device comprises a plurality of loudspeakers (40) ~~and in coupled with the at least one communication device so that (a)~~ the signals reproduced by each loudspeaker of the ~~said~~ at least one communication device are weighted by respective coefficients representing the couplings ~~separating between~~ each loudspeaker of the communication device ~~from and~~ the microphone of the other communication device and ~~in that~~ (b) the weighted signals are added.

10. (Currently amended) Echo processing device according to ~~any one of claims 6 to 9,~~ ~~characterised in that the echo processing device also comprises means for determining~~ claim 6, wherein the circuitry is arranged for establishing the number of other communication devices ~~(205, 206) and means (205, 206) for determining~~ establishing the number of loudspeakers of the other communication devices.

11. (Currently amended) Echo processing device according to claim 10, ~~characterised in that~~ wherein the echo processing device also comprises:

~~—a means~~ a generator for generating at least one predetermined audible signal ~~(40)~~,

~~—a means (210)~~ a receiver for receiving, by means of ~~a connection~~ coupling with at least one other device, information representing the reception of the audible signal by at least one other device,

~~—means (200)~~ the signal processing arrangement being arranged for determining the coupling ~~separating between~~ a loudspeaker of the said communication device ~~from and~~ the microphone of at least one other communication device.

12. (Currently amended) Method of processing an echo between at least two communication devices ~~connected~~ coupled to each other by a telecommunication network ~~in order~~ to attenuate, in a signal picked up by a communication device ~~comprising~~ having at least one microphone, the components of a signal ~~broadcasted~~ broadcast by at least one loudspeaker of another communication device, ~~characterised in that the echo processing method comprises~~ comprising the steps of:

~~—receiving, by means of a connection with~~ receiving from at least one other device, ~~device~~ information representing at least one signal ~~broadcasted~~ broadcast by at least one loudspeaker of at least one other communication device,

~~[-]~~ modifying the signal picked up by the communication device according to the information representing the broadcasted ~~signal~~, signal by weighting the broadcasted broadcast signal being weighted by a coefficient representing the coupling ~~separating between~~ a loudspeaker of the said at least one other communication device ~~from and~~ the microphone of the communication device.

13. (Currently amended) Echo processing method according to claim 12, ~~characterised in that~~ wherein the received information representing at least one ~~broadcasted~~ broadcast signal of at least one other communication device ~~are~~ is weighted by a coefficient representing the coupling

~~separating-between~~ a loudspeaker of the said-at least one other communication device ~~from-and~~ the microphone of the communication device.

14. (Currently amended) Echo processing method according to claim 13, ~~characterised-in-that~~ ~~the-wherein the picked up~~ weighted signal ~~picked-up~~ is taken into account in ~~the-a~~ reference echo control signal of the communication device.

15. (Currently amended) Method of processing an echo between at least two communication devices ~~connected-coupled~~ by a telecommunication network in order to attenuate, in a signal picked up by another communication device ~~comprising-including~~ at least one microphone, the components of a signal ~~broadcasted-broadcast~~ by at least one communication device ~~comprising including~~ at least one loudspeaker, ~~characterised-in-that~~ the echo processing method ~~comprises comprising~~ the steps of:

~~-obtaining (E70)-~~obtaining information representing the signal ~~broadcasted-broadcast~~ by the communication device, and

~~-transferring (E73), by means of a connection~~ transferring, by use of a coupling with at least the other device, the information obtained.

16. (Currently amended) Echo processing method according to claim 15, ~~characterised-in-that~~ ~~wherein~~ the method also comprises ~~a-step (E71)-of~~ obtaining information representing the ~~couplings-separating~~ coupling between at least one loudspeaker of the said-at least one communication device ~~from-and~~ the microphone of the other communication device.

17. (Currently amended) Echo processing method according to claim 16, ~~characterised-in-that~~ ~~wherein~~ the echo processing method also comprises ~~a-step (E71)-of~~ weighting the information representing the ~~broadcasted-broadcast~~ signal of the communication device by coefficients associated with the information representing the couplings ~~separating-between~~ at least one

loudspeaker of said at least one communication device ~~from~~ and the microphone of the other communication device.

18. (Currently amended) Echo processing method according to claim 16, ~~characterised in that~~ wherein (a) the communication device comprises a plurality of loudspeakers-loudspeakers, and ~~in that (b)~~ the signals reproduced by each loudspeaker of the said at least one communication device are weighted by respective coefficients representing the coupling ~~separating-between~~ each loudspeaker of the communication device ~~from~~ and the microphone of the other communication device, and (c) the weighted signals are added.

19. (Currently amended) Echo processing method according to ~~any one of claims 15 to 18,~~ characterised in that claim 15, wherein the echo processing method also comprises steps of determining the number of other communication devices and determining the number of loudspeakers of the other communication devices.

20. (Currently amended) Echo processing method according to claim 19, ~~characterised in that~~ wherein the echo processing method also comprises the steps of:

[-] generating at least one predetermined audible signal ~~(E2),~~

[-] receiving ~~(F4), by means of a connection via coupling~~ with at least one other device, information representing the reception of the audible signal by the at least one other device, and

[-] determining ~~(E7)~~ the coupling ~~separating-between~~ between the loudspeaker of the said communication device ~~from~~ and the microphone of at least one other communication device.

21. (Currently amended) ~~Computer program stored on an information medium, the said program comprising instructions for implementing the processing method according to any one of claims 12 to 14, when it is loaded into and executed by a computer system. An information medium storing a computer program for causing a computer to perform the steps of claim 12.~~

22. (Currently amended) ~~Computer program stored on an information medium, the said program containing instructions for implementing the processing method according to any one of claims 15 to 20, when it is loaded into and executed by a computer system.~~ An information medium storing a computer program for causing a computer to perform the steps of claim 15.